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OM protein - protein search, using sw model

Run on: November 29, 2004, 13:22:10 ; Search time 6.53268 Seconds

(without alignments)  
1862.359 Million cell updates/sec

Title: US-09-783-931-13  
Perfect score: 3383  
Sequence: 1 MGRLLASALLCVSGVFEKL.....DTKYGVYVSEKDECIATV 578

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 92878 segs, 21048771 residues

Total number of hits satisfying chosen parameters: 92878

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Pending Patents AA New:\*  
1: /cgn2\_6/ptodata/1/paa/PCT\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/1/paa/US11\_NEW\_COMB.pep:\*  
8: /cgn2\_6/ptodata/1/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2401.5	71.0	723	6	US-10-765-727-17 Sequence 17, Appl
2	2401.5	71.0	723	6	US-10-846-989-51 Sequence 51, Appl
3	2401.5	71.0	723	6	US-10-955-952-346 Sequence 346, App
4	2401.5	71.0	723	6	US-10-157-779-346 Sequence 346, App
5	2401.5	71.0	723	6	US-10-964-241-346 Sequence 346, Appl
6	2401.5	71.0	723	6	US-10-764-415B-34 Sequence 34, Appl
7	2085.5	61.6	864	6	US-10-846-989-5 Sequence 5, Appl
8	1915	56.6	484	6	US-10-846-989-34 Sequence 34, Appl
9	1567.5	46.3	369	6	US-10-846-989-29 Sequence 29, Appl
10	1432.5	42.3	331	6	US-10-846-989-24 Sequence 24, Appl
11	1329.5	39.3	685	6	US-10-765-727-19 Sequence 19, Appl
12	1329.5	39.3	685	6	US-10-846-989-53 Sequence 53, Appl
13	1329.5	39.3	685	6	US-10-955-952-88 Sequence 88, Appl
14	1329.5	39.3	685	6	US-10-157-779-88 Sequence 88, Appl
15	1329.5	39.3	685	6	US-10-964-241-88 Sequence 88, Appl
16	1329.5	39.3	685	6	US-10-764-415B-36 Sequence 36, Appl
17	1252	37.0	291	6	US-10-846-989-21 Sequence 21, Appl
18	968	28.6	1238	6	US-10-765-727-21 Sequence 21, Appl
19	968	28.6	1238	6	US-10-846-989-55 Sequence 55, Appl
20	934	27.6	1067	6	US-10-764-415B-38 Sequence 38, Appl
21	934	27.6	1067	6	US-10-650-650-18 Sequence 18, Appl
22	934	27.6	1218	6	US-10-765-727-20 Sequence 20, Appl
23	934	27.6	1218	6	US-10-846-989-54 Sequence 54, Appl
24	934	27.6	1218	6	US-10-650-650-1 Sequence 1, Appl
25	934	27.6	1218	6	US-10-764-415B-37 Sequence 37, Appl

26	653.5	19.3	618	6	US-10-765-727-18	Sequence 18, Appl
27	653.5	19.3	618	6	US-10-846-989-52	Sequence 52, Appl
28	653.5	19.3	618	6	US-10-764-415B-35	Sequence 35, Appl
29	586.5	17.3	302	6	US-10-846-989-16	Sequence 16, Appl
30	586.5	17.3	626	6	US-10-846-989-10	Sequence 10, Appl
31	466	13.8	2471	6	US-10-765-727-23	Sequence 23, Appl
32	466	13.8	2471	6	US-10-846-989-57	Sequence 57, Appl
33	466	13.8	2471	6	US-10-764-415B-40	Sequence 40, Appl
34	459	13.6	2556	6	US-10-765-727-22	Sequence 22, Appl
35	459	13.6	2556	6	US-10-846-989-56	Sequence 56, Appl
36	459	13.6	2556	6	US-10-764-415B-39	Sequence 39, Appl
37	376	11.1	1176	6	US-10-777-288A-2974	Sequence 2974, Ap
38	324.5	9.6	2871	6	US-10-967-702-390	Sequence 390, App
39	307.5	9.1	2157	6	US-10-960-275-2	Sequence 2, Appl
40	304.5	9.0	63	6	US-10-765-727-3	Sequence 3, Appl
41	304.5	9.0	63	6	US-10-765-727-4	Sequence 4, Appl
42	304.5	9.0	63	6	US-10-846-989-37	Sequence 37, Appl
43	304.5	9.0	63	6	US-10-846-989-38	Sequence 38, Appl
44	304.5	9.0	63	6	US-10-764-415B-20	Sequence 20, Appl
45	304.5	9.0	63	6	US-10-764-415B-21	Sequence 21, Appl

ALIGNMENTS

RESULT 1  
US-10-765-727-17  
Sequence 17, Application US/10765727  
GENERAL INFORMATION:  
APPLICANT: BODMER, MARK WILLIAM  
APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL  
APPLICANT: CHAMPION, BRIAN ROBERT  
APPLICANT: YOUNG, LESLEY LYNN  
TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY  
FILE REFERENCE: 674525-2010  
CURRENT APPLICATION NUMBER: US/10/765,727  
CURRENT FILING DATE: 2004-01-23  
PRIOR APPLICATION NUMBER: PCT/GB02/03426  
PRIOR FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: GB 0118153.6  
PRIOR FILING DATE: 2001-07-25  
PRIOR APPLICATION NUMBER: GB 0207930.9  
PRIOR FILING DATE: 2002-04-05  
PRIOR APPLICATION NUMBER: GB 0212282.8  
PRIOR FILING DATE: 2002-05-28  
PRIOR APPLICATION NUMBER: GB 0212283.6  
NUMBER OF SEQ ID NOS: 40  
SOFTWARE: PatentIn Ver. 3.2  
SEQ ID NO 17  
LENGTH: 723  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-765-727-17  
Query Match 71.0%; Score 2401.5; DB 6; Length 723;  
Best Local Similarity 75.1%; Pred. No. 1e-119;  
Matches 534; Conservative 11; Mismatches 27; Indels 139; Gaps 67;  
QY 7 SALLC---VSGVFEKLQEFVNKKGL-NRNCRRG-----GCCTFFRVCLKHQASVS 56  
DB 13 SALLCQVSSGVFEKLQEFVNKKGLGNRNCRRGAGPPCACRTFFRVCLKHQASVS 72  
QY 57 PEPCTYGA-TPLVG--SFS-PDAG-DPAFNPFRFPGFTWGTFSLLIBALHTDSP 111  
DB 73 PEPCTYGA-VTPVLGVDSFSLPDGGADSAFSPFRFPGFTWGTFSLLIBALHTDSP 132  
QY 112 DDL-TENBERLISRL-TORHL-VGEWSDLLHSGRTDL-YSYRVCDEHYGEGCSVFC 167  
DB 133 DDLATENBERLISRLATORHLTVGEWSDLLHSGRTDLKYSYRVCDEHYGEGCSVFC 192  
QY 168 RPRDD-FGHFTCG-RGEK-C-PGMKQYCT-PICLPGCD-CHG-CDKPGCKCRVWGGR 220

Db 193 RPRDFAFGHFTCGERGEKVCNPGWKGPYCTBPICLPGCDEQHGFCDKPGECKCRVGMGR 252  
QY 221 YCDECIRYPGCVHGTCCQPMQCNQOEGWGGLFCNQDLNYCTHHKPC-NGATCTNTGQGSY 279  
Db 253 YCDECIRYPGCVHGTCCQPMQCNQOEGWGGLFCNQDLNYCTHHKPC-NGATCTNTGQGSY 312  
QY 280 TCSCRPGYTG--CE--EBC--PCKN-GSCTDLES--SCTCPPGFYGK-CELSAMTCAD 327  
Db 313 TCSCRPGYTGATCELGIDECDPSPCKNGGSCDLENSYSCTCPPGFYGKI CELSAMTCAD 372  
QY 328 GPCFNGRC-DNPDGY-C-CPLG-SGFNCEKK--DCSSPC-NGA-CVDLGSY-C-CQ 376  
Db 373 GPCFNGRCSDSPDGYSCRCRPGYSGFNCEKKIDYCSSSPCSNGAKCVDLGDAYLCRCQ 432  
QY 377 AGF-GR-C-DNVDCA-SPC-NGGTC--DVND-SCTCPPGY-GKNC-S-PVSRCEH-PCHN 425  
Db 433 AGFSGRHCDNVDCASSPCANGTCRDGVNDFSCTCPGTYGRNCSAPVSRCEHAPCHN 492  
QY 426 GATCHRR----YCECA-GYGG-NCQFLPE-PPGP--VD-----EQ--FPW-AVCAGL 467  
Db 493 GATCHERGHGYCECARGYGPNQFLPELPGPAVVDLTKLEGGGGFPWAVACAGV 552  
QY 468 VL---LLGCAA-VVCVRL---KQKEC-----ETETMNNLANCQREKD---SSIGATQI 512  
Db 553 ILVMLLLGCAAVVVCVRLQKRPADPCRGETEETMNNLANCQREKDISVSIIGATQI 612  
QY 513 KNTNKK-DFH----DK--KVRYP-VDYNLV-----LKVHKKC-----S 542  
Db 613 KNTNKKADFHGDHSDKNGFKARYPAVDYNLVQDLKGGDDTAVRDAHSKRDTCQPGSSG 672  
QY 543 EEKAL-----RKR-SPVSTSKDTKYOSVYV--SEKDEC-IATEV 578  
Db 673 EEKGTPTTLRGGEASERKRPDSGCGSTSKDTKYOSVYVISEKDECVIATEV 723

## RESULT 2

US-10-846-989-51  
Sequence 51, Application US/10846989  
GENERAL INFORMATION:  
APPLICANT: BODMER, MARK WILLIAM  
APPLICANT: BRIEND, EMANUEL CYRILLE PASCAL  
APPLICANT: CHAMPION, BRIAN ROBERT  
APPLICANT: LENNARD, ANDREW CHRISTOPHER  
APPLICANT: MCKENZIE, GRAHAME JAMES  
APPLICANT: RAGNO, SILVIA  
APPLICANT: TUGAL, TAMARA  
APPLICANT: YOUNG, LESLEY LYNN  
TITLE OF INVENTION: MEDICAL TREATMENT  
FILE REFERENCE: 654525-2012  
CURRENT APPLICATION NUMBER: US/10/846, 989  
PRIOR FILING DATE: 2004-05-14  
PRIOR APPLICATION NUMBER: PCT/GB02/05133  
PRIOR FILING DATE: 2002-11-13  
PRIOR APPLICATION NUMBER: GB 0127271.5  
PRIOR FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: GB 0220913.8  
PRIOR FILING DATE: 2002-09-10  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: PatentIn Ver. 3.2  
SEQ ID NO 51  
LENGTH: 723  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-846-989-51

Query Match 71.0%; Score 2401.5; DB 6; Length 723;  
Best local similarity 75.1%; Pred. No. 1e-119;  
Matches 534; Conservative 11; Mismatches 27; Indels 139; Gaps 67;  
QY 7 SALLC---VSGVPELKLQEFVNKKGLL-NRNCRCRG-----GCCTPFRVCLKHQASVS 56  
Db 13 SALLCQVWSSGVPELKLQEFVNKKGLLGNRNCRCRGAGPPPCACRTFFRVCLKHQASVS 72

QY 57 PEPCTYGA-TPVLG--SFS-PDAG-DPAFNPDIRFPFGFTWPGTFSLLIEALHTDSP 111  
Db 73 PEPCTYGSATPVLGVSFSLPDGGADSAFNPDIRFPFGFTWPGTFSLLIEALHTDSP 132  
QY 112 DDL-TENPERLISRL-TORHL-VGEWESQDLHSGRTDL-YSYRFVCDHEHYGEGSVFC 167  
Db 133 DDLATENPERLISRLATQRLHTVGEWESQDLHSGRTDLKYSYRFVCDHEHYGEGSVFC 192  
QY 168 RPRDD-FGHFTCG-RGEK-C-PGWKQYCT-PICLPGCD-QHG-CDKPGECKCRVGMGR 220  
Db 193 RPRDFAFGHFTCGERGEKVCNPGWKGPYCTBPICLPGCDEQHGFCDKPGECKCRVGMGR 252  
QY 221 YCDECIRYPGCVHGTCCQPMQCNQOEGWGGLFCNQDLNYCTHHKPC-NGATCTNTGQGSY 279  
Db 253 YCDECIRYPGCVHGTCCQPMQCNQOEGWGGLFCNQDLNYCTHHKPC-NGATCTNTGQGSY 312  
QY 280 TCSCRPGYTG--CE--EBC--PCKN-GSCTDLES--SCTCPPGFYGK-CELSAMTCAD 327  
Db 313 TCSCRPGYTGATCELGIDECDPSPCKNGGSCDLENSYSCTCPPGFYGKI CELSAMTCAD 372  
QY 328 GPCFNGRC-DNPDGY-C-CPLG-SGFNCEKK--DCSSPC-NGA-CVDLGSY-C-CQ 376  
Db 373 GPCFNGRCSDSPDGYSCRCRPGYSGFNCEKKIDYCSSSPCSNGAKCVDLGDAYLCRCQ 432  
QY 377 AGF-GR-C-DNVDCA-SPC-NGGTC--DVND-SCTCPPGY-GKNC-S-PVSRCEH-PCHN 425  
Db 433 AGFSGRHCDNVDCASSPCANGTCRDGVNDFSCTCPGTYGRNCSAPVSRCEHAPCHN 492  
QY 426 GATCHRR----YCECA-GYGG-NCQFLPE-PPGP--VD-----EQ--FPW-AVCAGL 467  
Db 493 GATCHERGHGYCECARGYGPNQFLPELPGPAVVDLTKLEGGGGFPWAVACAGV 552  
QY 468 VL---LLGCAA-VVCVRL---KQKEC-----ETETMNNLANCQREKD---SSIGATQI 512  
Db 553 ILVMLLLGCAAVVVCVRLQKRPADPCRGETEETMNNLANCQREKDISVSIIGATQI 612  
QY 513 KNTNKK-DFH----DK--KVRYP-VDYNLV-----LKVHKKC-----S 542  
Db 613 KNTNKKADFHGDHSDKNGFKARYPAVDYNLVQDLKGGDDTAVRDAHSKRDTCQPGSSG 672  
QY 543 EEKAL-----RKR-SPVSTSKDTKYOSVYV--SEKDEC-IATEV 578  
Db 673 EEKGTPTTLRGGEASERKRPDSGCGSTSKDTKYOSVYVISEKDECVIATEV 723

## RESULT 3

US-10-955-952-346  
Sequence 346, Application US/10955952  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C12  
CURRENT APPLICATION NUMBER: US/10/955, 952  
PRIOR FILING DATE: 2004-09-29  
PRIOR APPLICATION NUMBER: US/10/121, 058  
PRIOR FILING DATE: 2002-04-12